

06-29/2007

Dart Aerospace Ltd.

Date: Monday, 3/26/2007 3:00:11 PM  
User: Kim Johnston

Process Sheet

SPLIT 1

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: 5-MAN SHOULDER HARNESS KIT
Job Number	: 31453		
Estimate Number	: 10409		
P.O. Number	: N/A	Part Number	: D412702033
This Issue	: 3/26/2007	S.O. No.	: N/A
Prsht Rev.	: NC	Drawing Number	: DSI 9312 REV B
First Issue	: N/A	Project Number	: N/A
Previous Run	: 27935	Drawing Revision	: C
		Type	: MACHINED PARTS
		Material	: N/A
		Due Date	: 4/6/2007
Written By	:	Qty:	1 Um: Each
Checked & Approved By	:		
Comment	:		
	Est Rev: A 06.11.03 New issue KJ/EC		
	Est Rev: B 06-04-03 Remove Comments, Rev B JLM		
	est rev C 06.12.14 per ecn 871 EC		

Additional Product

Job Number: 

Seq. #:	Machine Or Operation:	Description:
1.0	DC	DOCUMENT CONTROL
		
Comment: DOCUMENT CONTROL		
Photocopy bluefile and create labels per PPP D412-702-033CHG001		
2.0	PACKAGING 1	PACKAGING RESOURCE #1
		
Comment: PACKAGING RESOURCE #1		
Pick Packing Kit		
3.0	D31961	Bar
		
Comment: Qty.: 1.0000 Each(s)/Unit Total: 11.0000 Each(s)		
Bar		
Batch: 631273 5X ✓		
4.0	D3446041	Harness Assembly
		
Comment: Qty.: 5.0000 Each(s)/Unit Total: 55.0000 Each(s)		
Harness Assembly		
Batch: 630130 25X ✓		
5.0	D32681	Placard
		
Comment: Qty.: 2.0000 Each(s)/Unit Total: 22.0000 Each(s)		
Placard		
Batch: 631274 10X ✓		

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
7/3/25	see 2.0	COMPAS hit manure D3268-1 D3296-1 BALANCE 6X	LO	7/3/26			

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ED Date: 07/03/29  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action      Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 3/26/2007 3:00:11 PM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: 5-MAN SHOULDER HARNESS KIT

Job Number: 31453

Part Number: D412702033

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

MS24694S152

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total : 22.0000 Each(s)

Screw

Batch: 1101124 ✓

7.0

MS24694S154

SCREW



Comment: Qty.: 2.0000 Each(s)/Unit Total : 22.0000 Each(s)

SCREW

Batch: 1103926 ✓

8.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-702-033

Location: New B

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



4 11-03-29



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**DART**

DESIGN CP	DRAWN BY CP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. DSI 9312	REV. B SHEET 1 OF 1
DATE 06.03.24		TITLE UH-1 HARNESS INSTALLATIONS	SCALE NTS
A	05.09.29	NEW ISSUE	
B	06.03.24	REFORMAT, ADD -S154 SCREWS	

## **DART SERVICE INSTRUCTION**

REFERENCE: INSTALLATION INSTRUCTIONS IIN-D412-702 REV. B or C

The following kit is available to provide 4-point shoulder harnesses for passengers on UH-1 aircraft:

The Dart **D412-702-033** 5-Man Shoulder Harness Kit provides 4-point harnesses for the 5 fwd-facing seating positions in the UH-1 aircraft cabin. The harnesses for this kit are approved under TSO-C114. This kit should be installed as per the D412-702-023 kit in installation instructions IIN-D412-702 except that the existing tubes (p/n 205-070-709-1) for the fwd-facing seats should be used to secure the shoulder harnesses instead of the D3197-041 bars (and associated fittings, ref.).

When installing the D3196-1 Bar, it is acceptable to substitute the MS24694-S152 screws for the longer MS24694-S154 screws (or longer MS24694-Sxxx screws as required) to ensure the bar is properly secured.

For each of the two outermost passenger positions, it is acceptable to install all 4 shoulder straps onto the existing seat tubes (p/n 205-070-709-1), instead of installing one on the D3196-1 Bar as per IIN-D412-702. Thus, for cases where the centermost seating position has been removed (or not used), installation of the D3196-1 Bar is not required.

The parts list for the kits are as follows:

QTY -033	Part Number	Description
X	D412-702-033	Dart 5-Man Shoulder Harness Kit, 4-point, for UH-1 aircraft
1	D3196-1	Bar
5	D3446-041	Harness Assembly, 4 point
2	D3268-1	Placard
2	MS24694-S152	Screw
2	MS24694-S154	Screw (use either -S152, -S154, or longer screws as req'd)

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 31453

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Date: Thursday, 15/11/2007 6:53:16 AM  
 User: Linda Lacelle

## Process Sheet

Customer	: CC-DAR01 Dart Aerospace Ltd.	Drawing Name	: D412-702-UPDATE PAPERWORK
Job Number	: 35746		
Estimate Number	: 10804		
P.O. Number	: N/A	Part Number	: Z_CUSTOM
This Issue	: 15/11/2007	S.O. No.	: N/A
Prsht Rev.	: NC	Drawing Number	: ECN 1065
First Issue	: N/A	Project Number	: N/A
Previous Run	: 00015	Drawing Revision	: N/A
		Material	: N/A
Written By	: _____	Due Date	: 22/11/2007
Checked & Approved By	: _____	Qty:	1 Um: Each
Comment	: _____		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

REMOVE FROM STOCK:

D412-702-021

31206 2X

30645 2X

D412-702-023

35411 3X

D412-702-025

32001 3X - 31174 3X

D412-702-031

33277 1X

D412-702-033

31453 1X

D412-702-041A

D412-702-041B

34427 1X - 32759 1X

D412-702-043A

34212 1X

D412-702-043B

32756 1X

D412-702-045A

34213 1X

D412-702-045B

32757 1X

D412-702-059

32327 1X

D412-702-069

34435 7X

ADD NEW PAPERWORK TO KITS IN STOCK  
 EASA STC EASA.IM.R.S.00710 REV.1

RETURN KITS TO STOCK



4112 - 702 - 025

**DART Aerospace Ltd**

#R 653

**CUSTOMER RETURN**

Initiator: John Hall  
 Company: CAL FRET  
CCALF01  
 Phone No. 916-561-3368

Date: Oct 5/07  
 Invoice # \_\_\_\_\_  
 Order Entry # 4319

Reason for return: NER all Bottle opens too easily  
 Attach Copy of DHS Return Authorization # 316

Receiving: 8/3/3 Freight Company: UPS Prepaid Collect

#	Part #	Batch #	Description	Distribute to QC	
1	D3446-041	<del>31774</del> 30130	Shoulder Harness kit	Advise QA	Date:
				<u>02/6</u>	<u>8/3/3</u>

Condition of packaging: 6-10 Photograph required: yes ☒ no

Paperwork attached: P/S \_\_\_\_\_ Invoice \_\_\_\_\_ ARC \_\_\_\_\_ Docs \_\_\_\_\_ Other \_\_\_\_\_

QC: Quarantine: Location: \_\_\_\_\_ Condition of Part: used

Inspect: Initial: [Signature]

#	Part #	Batch #	QC Comments	QC Approval		Scrap
				Initial	W/O #	
1	D3446-041	<del>31774</del> 30130	Harness is scrap. Donate to engineering for fit and function test.		<u>37678</u>	

QA Coordinator: Advise GM as to findings: Initial: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Issue credit:    yes    no	Invoice Amount: _____
GM Approval: _____	Less Replacement: _____
Date: _____	Restock Fee: _____
	Freight: _____
	Net Credit: _____
	DHS <input type="checkbox"/> Customer <input type="checkbox"/>

QA: Enter into Q-Pulse with reason for return & File original. Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Copy of Customer Return to stay with work orders and another copy to be filed with customer credit